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F 793
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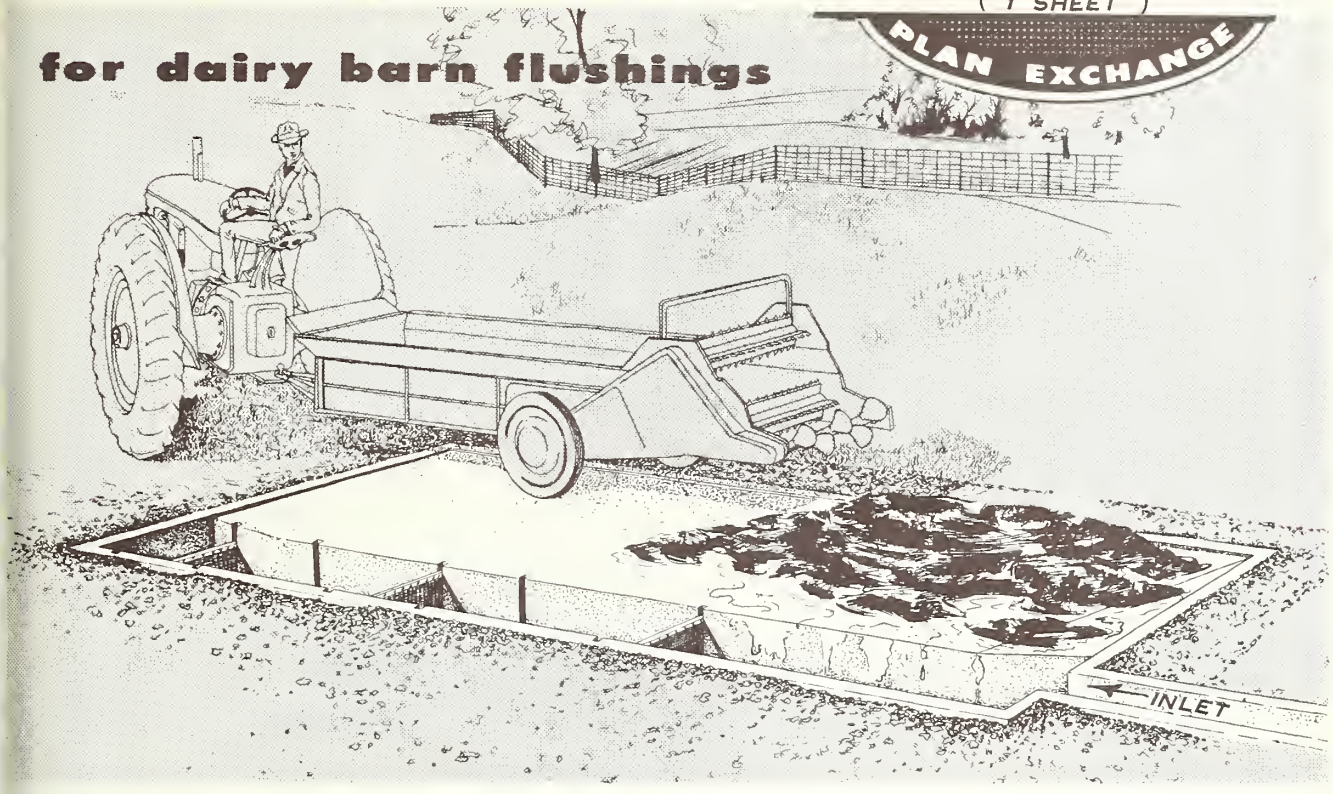
JUN 22 1957
BELTSVILLE BRANCH

SCREEN CHAMBER

for dairy barn flushings

COOPERATIVE FARM BUILDING
PLAN NO. 5839
(1 SHEET)
PLAN EXCHANGE



This chamber connects with the drains from a dairy barn and removes straw and other solids from the flushing water.

It provides both straining and settling action. Liquids are either drained away or stored for use in irrigation. Solid matter is scooped onto the slab for drainage until it is hauled to the field.

Before constructing the chamber, obtain local authorities' approval of use and location.

A reduced-scale copy of the plan is shown on the back of this sheet. Dimensions are given for sizes suitable for barns that have up to 120 stalls.

FLUID DRAINAGE IN CHAMBER

BELTSVILLE BRANCH
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Large-scale working drawings may be obtained through your county agent or from the Extension agricultural engineer at most State agricultural colleges. There is usually a small charge.

ORDER PLAN NO. 5839, SCREEN CHAMBER FOR DAIRY BARN FLUSHING

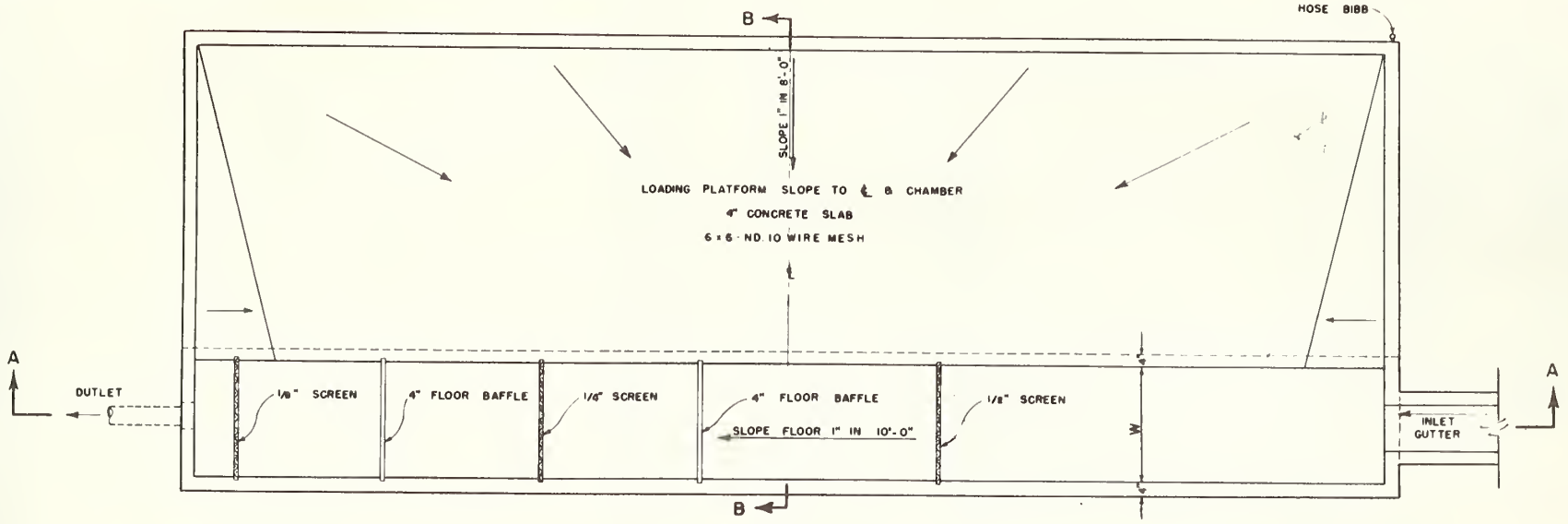
If the large-scale drawings are not available in your State, write to the U.S. Department of Agriculture, Agricultural Engineering Research Division, Plant Industry Station, Beltsville, Md. The U.S. Department of Agriculture does not distribute drawings, but will direct you to a State that does distribute them.

Issued April 1959

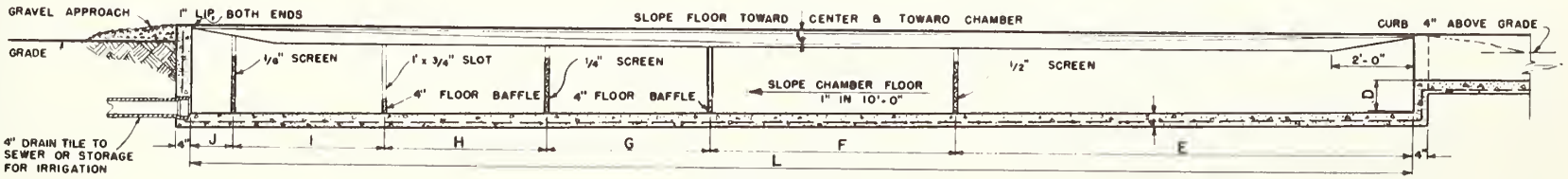
UNITED STATES DEPARTMENT OF AGRICULTURE Miscellaneous Publication No. 793

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C. - Price 5 cents

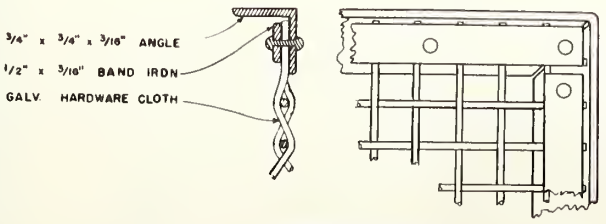
U.S. GOVERNMENT PRINTING OFFICE: 1959 O—499411



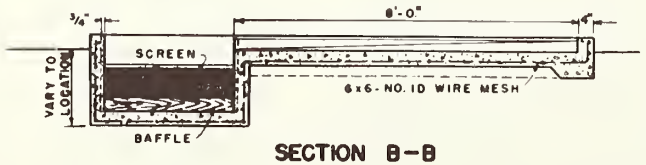
PLAN



SECTION A-A



SCREEN DETAIL



SECTION B-B

NUMBER OF STANCHIONS	DIMENSIONS IN FEET & INCHES								
	L	W	D	E	F	G	H	I	J
24 OR LESS	10'-0"	2'-0"	7"	4'-0"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"
25 TO 39	15'-0"	2'-2"	8"	5'-0"	3'-0"	2'-0"	2'-0"	2'-0"	1'-0"
40 TO 63	22'-0"	2'-8"	8"	8'-0"	4'-0"	3'-0"	3'-0"	3'-0"	1'-0"
64 TO 87	30'-0"	3'-0"	9"	12'-0"	6'-0"	4'-0"	4'-0"	3'-0"	1'-0"
88 TO 120	40'-0"	3'-6"	9"	16'-0"	8'-0"	6'-0"	5'-0"	3'-0"	2'-0"

NOTE---

3/4" x 4" BOARDS MAY BE USED FOR THE FLOOR BAFFLES. THESE SHOULD BE FITTED WITH HANDLES TO MAKE REMOVAL EASY.

LOCATION SHOULD BE APPROVED BY THE LOCAL DAIRY INSPECTOR.

SCALE: 1/8" = 1'-0" EXCEPT AS NOTED.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

AND

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

SCREEN CHAMBER

FOR DAIRY BARN FLUSHINGS

CAL. '57	EX. 5839	SHEET 1 OF 1